

11 July 1969

MEMORANDUM FOR : Chief, WCPO

SUBJECT :

After testing the Advanced 918 Light Table Prototype and reviewing the specifications, we arrived at the following list of items to be modified or repaired.

a. The bidirectional manual drive system, consisting of handwheels, chain drives, electric clutches, slip clutch, direction switching microswitches, etc., must be removed as well as the manual tension controls. Openings left in the shell must be covered.

b. Handwheels must be added to the outboard ends of the motor shafts. These handwheels are to be without handles and should be designed as shown on the accompanying drawing.

c. A detent must be added to the moveable bracket support bar which contains the other detents for locking the bracket in various positions. The added detent will allow the moveable bracket to be locked all the way open.

d. A rubber bumper should be added to the moveable bracket support bar on each side to reduce the shock caused by the inadvertant release of the moveable bracket.

e. The cause for the squeal in the left motor and the cause for the knocking in the left moveable bracket assembly must be eliminated.

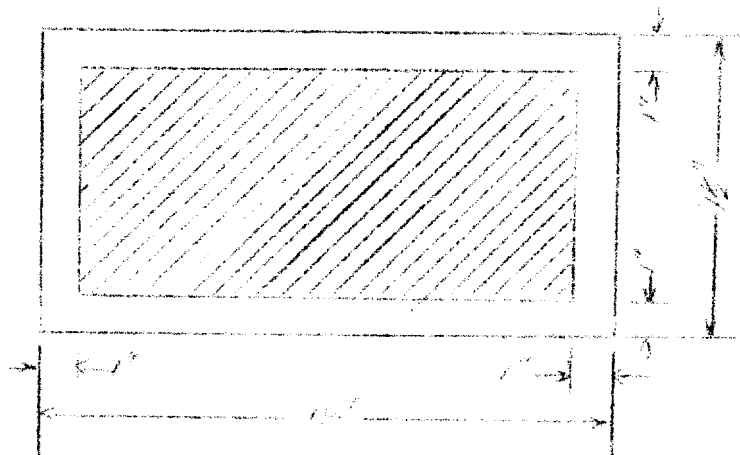
f. The source of the electrical leakage (causing the 45 volt potential between the table and ground) must be found and proper insulation added to prevent leakage.

g. The illumination system must provide a maximum illumination of at least 2,000 ft. lamberts within a 2" radius of the geometric center of the illuminated area. The maximum linear brightness gradient must not exceed 15% between any two measurements taken within the shaded area shown on the diagram below, nor 25% anywhere within the illuminated area.

Declass Review by
NIMA/DOD

25X1

SUBJECT :



Technical Monitor

25X1

Distribution:

Original & 1 - Addressee

- 1 - SC&PS
- 1 - Contract File
- 1 - DED Chrono

25X1

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